

ABSTRACT

The present invention relates to a reciprocating compressor. There is a compression chamber inside of a cylinder, having a piston inserted therein. The piston includes a head, a skirt extended from a lower end of the head so as to be spaced away from an inside wall of the cylinder, and guide surfaces extended from an outside surface of the skirt. Since the skirt is not in contact with the cylinder, a friction loss between the piston and the cylinder is reduced, and the guide surfaces assist the piston to make stable reciprocation. The head has a projection so as to be inserted into a discharge hole when the piston is at a top dead center. According to this, a dead volume formed when the piston is at the top dead center is reduced, thereby improving an efficiency of the compressor.